# High School Mathematics Graduation Pathways

### **Alternate Selections**

AAF Courses that meet graduation requirements but are not sufficient preparation for college-readiness (Secondary II Prerequisite)

**Introductory Statistics** 

Mathematical Decision Making for Life

Modern Math

Mathematics of Personal Finance

**IB Studies or SL** 

AAF Courses that meet graduation requirements (Secondary III Prerequisite)

AP Statistics (can be taken concurrently with SMIII) College Prep Math

Concurrent Enrollment 1010, 1030, 1040

IB SL or HL

Medical Math

#### Secondary I

Linear and exponential functions, congruent geometries



#### Secondary II

Quadratic functions, similarity and right triangle trigonometry, conditional probability



#### Secondary III

Polynomial, rational and radical functions, trigonometry, logarithms, data collection and analysis



#### Precalculus

Behavior and features of power and trigonometric function, matrices, conic sections, sequence and series, polar and parametric equations, data distributions and analysis

#### Concurrent Enrollment 1050/1060

Behavior and features of square root, absolute value, piecewise, polynomial, exponential, logarithmic and inverse functions, function operations and composition, matrices, conic sections, sequence and series.

## **Honors Pathway**

Secondary IH

Secondary I matrices, vectors



#### Secondary IIH

Secondary II, depth in complex numbers, trigonometric identities, conic sections



#### Secondary IIIH

Secondary III, composition of functions, inverse functions, trig functions, polar and parametric forms, arithmetic and geometries series.



Calculus